



PERSONNEL QUALIFICATION STANDARD

FOR

AVIATION SAFETY PETTY OFFICER

NAME (Rate/Rank) _____

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

Although the words “he,” “him,” and “his” are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this material.

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INTRODUCTION

PQS PROGRAM

This PQS program is a qualification system for officers and enlisted personnel where certification of a minimum level of competency is required prior to qualifying to perform specific duties. A PQS is a compilation of the minimum knowledge and skills that an individual must demonstrate in order to qualify to stand watches or perform other specific routine duties necessary for the safety, security or proper operation of a ship, aircraft or support system. The objective of PQS is to standardize and facilitate these qualifications.

CANCELLATION

This Standard cancels and supersedes NAVEDTRA 43218-A.

APPLICABILITY

This PQS is applicable to all ships and aviation facilities.

TAILORING

To command tailor this package, first have it reviewed by one or more of your most qualified individuals. Delete any portions covering systems and equipment not installed on your ship, aircraft or unit. Next, add any line items, fundamentals, systems and watchstations/workstations that are unique to your command but not already covered in this package. Finally, the package should be reviewed by the cognizant department head and required changes approved by the Commanding Officer or his designated representative. Retain the approved master copy on file for use in tailoring individual packages.

QUALIFIER

The PQS Qualifier is designated in writing by the Commanding Officer to sign off individual watchstations. Qualifiers will normally be E-5 or above and, as a minimum, must have completed the PQS they are authorized to sign off. The names of designated Qualifiers should be made known to all members of the unit or department. The means of maintaining this listing is at the discretion of individual commands. For more information on the duties and responsibilities of PQS Qualifiers, see the PQS Management Guide.

INTRODUCTION (CONT'D)

CONTENTS

PQS is divided into three sections. The 100 Section (Fundamentals) contains the fundamental knowledge from technical manuals and other texts necessary to satisfactorily understand the watchstation/workstation duties. The 200 Section (Systems) is designed to acquaint you with the systems you will be required to operate at your watchstation/workstation. The 300 Section (Watchstations) lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation/workstation. All three sections may not apply to this PQS, but where applicable, detailed explanations are provided at the front of each section.

REFERENCES

The references used during the writing of this PQS package were the latest available to the workshop, however, the most current references available should be used when qualifying with this Standard. Classified references may be used in the development of PQS. If such references are used, do not make notes in this book as answers to questions in this Standard may be classified.

TRAINEE

Your supervisor will tell you which watchstations/workstations you are to complete and in what order. Before getting started, turn to the 300 Section first and find your watchstation/workstation. This will tell you what you should do before starting your watchstation/workstation tasks. You may be required to complete another PQS, a school, or other watchstations/workstations within this package. It will also tell you which fundamentals and/or systems from this package you must complete prior to qualification at your watchstation/workstation. If you have any questions or are unable to locate references, contact your supervisor or qualifier. Good luck!

PQS FEEDBACK REPORTS

This PQS was developed using information available at the time of writing. When equipment and requirements change, the PQS needs to be revised. The only way the PQS Development Group knows of these changes is by you, the user, telling us either in a letter or via the Feedback Report contained in the back of this book. You can tell us of new systems and requirements, or of errors you find.

SUMMARY OF CHANGES

CHANGES TO FUNDAMENTALS, SYSTEMS, AND WATCHSTATIONS:

Fundamental Title	Action	Comment
Afloat Mishap Reporting	Modified	Deleted items dealing with MIB
Hazardous Material Control and Management (HMC&M) Program	Modified	Deleted some items dealing with HMC&M and HAZCOMM

WATCHSTATION REQUALIFICATIONS

Due to significant changes in policies, systems, or procedures, it is recommended that all personnel dealing with the subject matter of this PQS requalify in the following watchstations regardless of qualifications achieved in previous versions.

None.

ACRONYMS USED IN THIS PQS

Not all acronyms or abbreviations used in this PQS are defined here. The Subject Matter Experts from the Fleet who wrote this Standard determined the following acronyms or abbreviations may not be commonly known throughout their community and should be defined to avoid confusion. If there is a question concerning an acronym or abbreviation not spelled out on this page nor anywhere else in the Standard, use the references listed on the line item containing the acronym or abbreviation in question.

AMB	Aviation Mishap Board
AMSP	Asbestos Medical Surveillance Program
EMCOM	Emission Control
GFE	Gas Free Engineer
HM	Hazardous Material
HMC&M	Hazardous Material Control and Management
HS	Hazardous Substance
HW	Hazardous Waste
JAG	Judge Advocate General
MDR	Medical Department Representative
MIR	Mishap Investigation Report
MMVF	Man-Made Vitreous Fibers
MPD	Material Property Damage
MR	Mishap Report
MSDS	Material Safety Data Sheet
MV	Motor Vehicle Mishap Report
NAVOSH	Navy Occupational Safety and Health
NMAC	Near Midair Collision
NON	Notice of Noncompliance
NOV	Notice of Violation
OM	Operational Mishaps
PCB	Polychlorinated Biphenyl
PID	Personal Injury/Death
PPE	Personal Protective Clothing and Equipment
RADHAZ	Radiation Hazard
RPM	Respiratory Protection Manager
RRPM	Respiratory Protection Program Manager
SHML	Ship's Hazardous Material List

100 INTRODUCTION TO FUNDAMENTALS

100.1 INTRODUCTION

This PQS begins with a Fundamentals section covering the basic knowledge and principles needed to understand the equipment or duties to be studied. Normally, you would have acquired the knowledge required in the Fundamentals section during the school phase of your training. If you have not been to school or if you need a refresher, the references listed at the beginning of each fundamental will aid you in a self-study program. All references cited for study are selected according to their credibility and availability.

100.2 HOW TO COMPLETE

The fundamentals you will have to complete are listed in the watchstation (300 section) for each watchstation. You should complete all required fundamentals before starting the systems and watchstation portions of this PQS, since knowledge gained from fundamentals will aid you in understanding the systems and your watchstation tasks. When you feel you have a complete understanding of one fundamental or more, contact your Qualifier. If you are attempting initial qualification, your Qualifier will expect you to satisfactorily answer all line items in the fundamentals before signing off completion of that fundamental. If you are requalifying or have completed the appropriate schools, your Qualifier may require you to answer representative line items to determine if you have retained the necessary knowledge for your watchstation. If your command requires an oral board or written examination for final qualification, you may be asked any questions from the fundamentals required for your watchstation.

101 GENERAL AVIATION SAFETY AND NAVY OCCUPATIONAL SAFETY AND HEALTH (NAVOSH) PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 3750.6Q, Naval Aviation Safety Program
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [c] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [d] OPNAVINST 3500.39, Operational Risk Management
-

101.1 What is the objective of the Naval Aviation Safety Program? [ref. a, ch. 1]

(Signature and Date)

.2 What is the policy of the Command NAVOSH Program? [ref. b, ch. 1; ref. c, ch. A2]

(Signature and Date)

.3 List the major elements of the NAVOSH Program. [ref. b, ch. 1; ref. c, ch. A2]

(Signature and Date)

.4 Who must establish and maintain a Command Aviation Safety Program? [ref. a, ch. 2]

(Signature and Date)

.5 What are the elements of the Command Aviation Safety Program? [ref. a, ch. 2]

(Signature and Date)

.6 Discuss the tasks assigned to Commanding Officers in regards to the NAVOSH Program. [ref. b, ch. 2; ref. c, ch. A2]

(Signature and Date)

101 GENERAL AVIATION SAFETY AND NAVY OCCUPATIONAL SAFETY AND HEALTH (NAVOSH) PROGRAM FUNDAMENTALS (CONT'D)

101.7 Discuss the responsibilities of the following: [ref. a, ch. 1]

- a. Commanders of Naval and Marine Corps airfields
- b. Naval Plant Representative Officers
- c. Aircraft Reporting Custodians
- d. Aviation Safety Officers
- e. Senior member, AMB
- f. Members, AMB
- g. All Naval Aviation personnel

(Signature and Date)

.8 Discuss the responsibilities of the Safety Petty Officer. [ref. c, ch. A2]

(Signature and Date)

.9 Explain the purpose of a safety stand down. [ref. a, ch. 2]

(Signature and Date)

.10 Discuss the duties of the Medical Officer or Senior MDR with respect to the NAVOSH Program. [ref. c, ch. A2]

(Signature and Date)

.11 Discuss the need for the NAVOSH Inspection Program. [ref. b, ch. 9; ref. c, ch. A3]

(Signature and Date)

.12 Discuss the concept of ORM. [ref. d]

(Signature and Date)

101 GENERAL AVIATION SAFETY AND NAVY OCCUPATIONAL SAFETY AND HEALTH (NAVOSH) PROGRAM FUNDAMENTALS (CONT'D)

101.13 Explain the following terms as they apply to ORM: [ref. d]

- a. Identify hazards
- b. Assess hazards
- c. Make risk decisions
- d. Implement controls
- e. Supervise

(Signature and Date)

.14 Name the four principles of ORM. [ref. d]

(Signature and Date)

.15 Name the three levels upon which commanders apply ORM. [ref. d]

(Signature and Date)

102 AVIATION SAFETY STANDARDS FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat, Vol. II
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [c] OPNAVINST 3750.6Q, Naval Aviation Safety Program
-

102.1 Where are the NAVOSH safety standards for forces afloat on specific safety topics located? [ref. a]

(Signature and Date)

.2 Where are the NAVOSH standards for shore activities on specific safety topics located? [ref. b]

(Signature and Date)

.3 Discuss the following directives as they apply to the Naval Aviation Safety Program: [ref. c, ch. 1]

- a. NAVAIR 00-80T-116, vols. 1-4, Technical Manual, Safety Investigation Techniques
- b. OPNAVINST 1650.24, Chief of Naval Operations Annual Aviation Safety Award
- c. OPNAVINST 3710.7P, NATOPS General Flight and Operating Instructions
- d. OPNAVINST 4790.2G, Naval Aviation Maintenance Program
- e. OPNAVINST 5102.1C, Mishap Investigation and Reporting and OPNAVINST 5100.21B, Afloat Mishap Investigation and Reporting

(Signature and Date)

103 RISK ASSESSMENT FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [c] OPNAVINST 3750.6Q, Naval Aviation Safety Program
-

103.1 Define the RAC system. [ref. a, ch. 12; ref. b, ch. A4; ref. c, ch. B]

(Signature and Date)

.2 Define hazard severity. [ref. a, ch. 12; ref. b, ch. A4]

(Signature and Date)

.3 What are the four categories by which hazard severity is assessed? [ref. a, ch. 12; ref. b, ch. A4]

(Signature and Date)

.4 Define mishap probability. [ref. a, ch. 12; ref. b, ch. A4]

(Signature and Date)

.5 What are the four subcategories by which mishap probability is assessed? [ref. a, ch. 12; ref. b, ch. A4]

(Signature and Date)

.6 What are the meanings of the aviation RACs 1 through V? [ref. c, ch. B]

(Signature and Date)

103 RISK ASSESSMENT FUNDAMENTALS (CONT'D)

103.7 Discuss the five principles of hazard control. [ref. a, ch. 5; ref. b, ch. A4]

(Signature and Date)

.8 Define interim hazard abatement measures. [ref. a, ch. 5; ref. b, ch. A4]

(Signature and Date)

104 NAVY OCCUPATIONAL SAFETY AND HEALTH (NAVOSH) EVALUATION FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

104.1 How often are workspace inspections conducted? [ref. a, ch. 9; ref. b, ch. A3]

(Signature and Date)

.2 Who is responsible for ensuring workplace inspections are conducted? [ref. a, ch. 9; ref. b, ch. A3]

(Signature and Date)

.3 What is the purpose of the OSH/Deficiency Hazard Abatement Program? [ref. a, ch. 12; ref. b, ch. A4]

(Signature and Date)

.4 Discuss the method of safety hazard reporting by individuals. [ref. a, ch. 10; ref. b, ch. A3]

(Signature and Date)

.5 Discuss the use of the Afloat Safety Hazard Report and/or Ashore Navy Employee Report of unsafe or unhealthful working condition. [ref. a, ch. 10; ref. b, ch. A3]

(Signature and Date)

.6 Where are the guidelines provided for evaluation of the NAVOSH Program? [ref. a, ch. 9; ref. b, ch. A5]

(Signature and Date)

**104 NAVY OCCUPATIONAL SAFETY AND HEALTH (NAVOSH) EVALUATION
FUNDAMENTALS (CONT'D)**

104.7 What actions are required if an imminent danger hazard exists? [ref. a, ch. 9; ref. b, ch. A4]

(Signature and Date)

105 AVIATION SAFETY COUNCIL AND COMMITTEE FUNDAMENTALS

References:

[a] OPNAVINST 3750.6Q, Naval Aviation Safety Program

105.1 State the purpose of the Aviation Safety Council. [ch. 2]

(Signature and Date)

.2 Who are the members of the Aviation Safety Council? [ch. 2]

(Signature and Date)

.3 State the objectives of the Aviation Safety Council. [ch. 2]

(Signature and Date)

.4 State the purpose/objectives of the Enlisted Aviation Safety Committee. [ch. 2]

(Signature and Date)

.5 Who are the members of the Enlisted Aviation Safety Committee? [ch. 2]

(Signature and Date)

106 AVIATION HAZARD REPORTING FUNDAMENTALS

References:

[a] OPNAVINST 3750.6Q, Naval Aviation Safety Program

106.1 What is the definition of a hazard? [ch. 3]

(Signature and Date)

.2 How are hazards detected before a mishap? [ch. 3]

(Signature and Date)

.3 What is the purpose of Hazard Reports? [ch. 3]

(Signature and Date)

.4 Discuss Anonymous Hazard Reports. [ch. 3]

(Signature and Date)

.5 What are the submission criteria and exceptions to submission criteria for a Hazard Report? [ch. 3]

(Signature and Date)

.6 Discuss a Bird/Animal Strike Hazard Report. [ch. 3]

(Signature and Date)

.7 Discuss an NMAC Hazard Report. [ch. 3]

(Signature and Date)

106 AVIATION HAZARD REPORTING FUNDAMENTALS (CONT'D)

106.8 Discuss a Physiological Episode Hazard Report. [ch. 3]

(Signature and Date)

.9 Discuss an Embarked Landing Hazard Report. [ch. 3]

(Signature and Date)

.10 Discuss how the Aviation Hazard Reporting system is used to control or correct hazards. [ch. 3]

(Signature and Date)

107 GENERAL MISHAP INVESTIGATING AND REPORTING FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 3750.6Q, Naval Aviation Safety Program
 - [c] OPNAVINST 5102.1C, Mishap Investigation and Reporting
 - [d] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

107.1 Discuss the following elements of internal mishap reporting and investigation: [ref. a, ch. 14; ref. c, ch. 1; ref. d, ch. A6]

- a. Who issues this report?
- b. When is this report issued?
- c. Who maintains records of this report?

(Signature and Date)

.2 What are the formats of the following reports:

- a. Injury Report [ref. d, ch. A6]
- b. Log of Navy Injuries and Occupational Illnesses (military and civilian) [ref. a, ch. 14]
- c. Internal Mishap/Near MIR [ref. d, ch. A6]
- d. SAFETYGRAM [ref. a, ch. 14; ref. c, ch. 1; ref. d, ch. A6]

(Signature and Date)

.3 State the conditions which govern limited use of MRs. [ref. b, ch. 6]

(Signature and Date)

.4 State the Naval Safety Center's role in mishap investigations. [ref. b, ch. 6]

(Signature and Date)

107 GENERAL MISHAP INVESTIGATING AND REPORTING FUNDAMENTALS (CONT'D)

107.5 What is the relationship of a JAG manual investigation to a mishap investigation. [ref. b, ch. 1]

(Signature and Date)

.6 State the purpose for conducting a mishap investigation. [ref. b, ch. 6]

(Signature and Date)

.7 Define the concept of privilege. [ref. b, ch. 1; ref. c, vol. 1, sec. A, app. A6-A-1]

(Signature and Date)

108 AVIATION MISHAP REPORTING FUNDAMENTALS

References:

[a] OPNAVINST 3750.6Q, Naval Aviation Safety Program

108.1 What is the purpose of aircraft mishap investigations? [ch. 6]

(Signature and Date)

.2 Discuss injury classifications. [ch. 4]

(Signature and Date)

.3 Define the following: [ch. 4]

- a. Injury
- b. Intent for flight
- c. Duty status
- d. DOD personnel/non-DOD personnel
- e. Lost workday

(Signature and Date)

.4 Discuss the naval aircraft mishap categories. [ch. 4]

(Signature and Date)

.5 Discuss the naval aircraft mishap severity classes. [ch. 4]

(Signature and Date)

.6 How are the aircraft mishap costs determined? [ch. 4]

(Signature and Date)

108 AVIATION MISHAP REPORTING FUNDAMENTALS (CONT'D)

108.7 Discuss the following: [ch. 2]

- a. Appointment of an AMB
- b. Composition of the AMB

(Signature and Date)

.8 Discuss the following elements of aviation mishap reporting and investigation:
[chs. 5 thru 7]

- a. Who submits this report?
- b. When is this report submitted?

(Signature and Date)

.9 What are the formats of the following reports:

- a. Aviation MR [ch. 5]
- b. Aviation MIR [ch. 7]
- c. Aviation MIRE [ch. 8]

(Signature and Date)

.10 How is corrective action on MRs monitored? [ch. 9]

(Signature and Date)

.11 Discuss the purpose of a Pre-Mishap Plan. [ch. 2]

(Signature and Date)

109 AFLOAT MISHAP REPORTING FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

109.1 Define the requirements for reportable mishaps under the following conditions:
[ch. A6, Glossary, enc. 2]

- a. Class A mishap
- b. Class B mishap
- c. Class C mishap
- d. Special case mishaps
- e. Motor vehicle mishap
- f. Off-duty mishap

(Signature and Date)

110 NON-DEPLOYED MISHAP REPORTING FUNDAMENTALS

References:

[a] OPNAVINST 5102.1C, Mishap Investigation and Reporting

110.1 Define the requirements for reportable mishaps occurring off-ship under the following conditions:

- a. Personnel injury or death [ch. 3]
- b. Material damage [ch. 4]
- c. Motor vehicle mishap [ch. 6]

(Signature and Date)

.2 What are the classification criteria for off-ship mishaps:

- a. PID Report [ch. 3]
- b. MPD Report [ch. 4]
- c. MV [ch. 6]

(Signature and Date)

.3 How much time is allowed for submission of non-deployed reports? [chs. 3, 4, 6]

(Signature and Date)

111 HAZARDOUS MATERIAL CONTROL AND MANAGEMENT (HMC&M) PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [c] OPNAVINST 5090.1B, Navy Environmental and Natural Resources Program Manual
 - [d] OPNAVINST 4790.2G, Naval Aviation Management Program
-

111.1 What is the purpose of the HMC&M Program? [ref. b, ch. B3]

(Signature and Date)

.2 Define the following:

- a. HM [ref. a, Glossary]
- b. HW [ref. a, Glossary]
- c. Used or excess HM [ref. b, ch. B3]
- d. HS [ref. a, Glossary]

(Signature and Date)

.3 What are the six subcategories of HM? [ref. b, ch. B3]

(Signature and Date)

.4 State the responsibilities of the following in the HMC&M Program:

- a. Commanders/Commanding Officers of shore activities [ref. a, ch. 7]
- b. Commanding Officers of afloat commands [ref. b, ch. B3; ref. c, ch. 19]
- c. Afloat HMC&M Coordinator/Manager/Officer [ref. b, ch. B3]
- d. Aviation HMC&M Officer [ref. d, vol. II; ch. 12]

(Signature and Date)

.5 What are the storage requirements for HMs aboard ship? [ref. b, ch. C23]

(Signature and Date)

**111 HAZARDOUS MATERIAL CONTROL AND MANAGEMENT (HMC&M)
PROGRAM FUNDAMENTALS (CONT'D)**

111.6 What are the requirements for labeling of HMs? [ref. b, ch. C23]

(Signature and Date)

.7 What are the requirements for HM inventories? [ref. b, ch. B3]

(Signature and Date)

.8 What is an HM AUL? [ref. a, ch. 7]

(Signature and Date)

.9 What is a SHML? [ref. b, ch. B3]

(Signature and Date)

.10 What are MSDSs? [ref. a, Glossary]

(Signature and Date)

.11 Discuss the required training for the HMC&M Program. [ref. b, ch. B3]

(Signature and Date)

.12 What are the phases during HM spill response? [ref. b, ch. B3]

(Signature and Date)

.13 Where can the authorized disposal methods for disposal of HMs aboard ship be found? [ref. b, ch. B3]

(Signature and Date)

112 HEARING CONSERVATION PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

112.1 Discuss the elements of the Hearing Conservation Program. [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.2 Discuss the criteria for taking noise measurements and the periodicity for sound level surveys. [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.3 Discuss the criteria for designating a noise hazard area. [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.4 What are the marking requirements for noise hazard areas and equipment? [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.5 When shall single or double hearing protection be worn? [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.6 Which personnel are required to participate in hearing testing and medical evaluation? [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

112 HEARING CONSERVATION PROGRAM FUNDAMENTALS (CONT'D)

112.7 What are the three types of required hearing tests? [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

8. List the various types of hearing protective devices. [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

.9 Discuss the training requirements for the Hearing Conservation Program. [ref. a, ch. 18; ref. b, ch. B4]

(Signature and Date)

113 SIGHT CONSERVATION PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

113.1 When shall eye protection be worn? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.2 Discuss the elements of the Sight Conservation Program. [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.3 What is considered during an eye hazard survey? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.4 How are eye hazard areas or equipment posted and marked? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.5 What are the requirements for sight screening evaluations? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.6 What criteria are used to select proper protective eyewear? [ref. b, ch. B5]

(Signature and Date)

113 SIGHT CONSERVATION PROGRAM FUNDAMENTALS (CONT'D)

113.7 What are the procedures for maintaining protective eyewear? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.8 Where shall emergency eyewash facilities/stations be located? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.9 What specifications must emergency eyewash facilities meet? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

.10 What are the training requirements for personnel working in eye hazardous areas? [ref. a, chs. 19, 20; ref. b, ch. B5]

(Signature and Date)

114 RESPIRATORY PROTECTION PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

114.1 What is the preferred means for controlling airborne contaminants? [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.2 What is the function of the RPPM/RPM? [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.3 How do air-purifying respirators work? [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.4 What is the principle of atmosphere-supplying respirators? [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.5 Discuss the criteria for respirator selection. [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.6 Discuss the warning signs of respirator failure and actions to be taken when a failure occurs. [ref. b, ch. B6]

(Signature and Date)

114 RESPIRATORY PROTECTION PROGRAM FUNDAMENTALS (CONT'D)

114.7 What are the requirements for wearing a respirator? [ref. b, ch. B6]

(Signature and Date)

.8 Explain the procedures for cleaning, sanitizing, and storing respirators. [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.9 Explain the procedures for the repair and maintenance of respirators. [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

.10 Discuss the training elements required for the Respiratory Protection Program. [ref. a, ch. 15; ref. b, ch. B6]

(Signature and Date)

115 ELECTRICAL SAFETY PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [c] NAVEDTRA 12081, Standard First Aid Training Course
-

115.1 What is the purpose of electrical and electronics safety? [ref. a, ch. B7]

(Signature and Date)

.2 List the procedures for the issue of portable electrical tools afloat. [ref. a, ch. B7]

(Signature and Date)

.3 Discuss the afloat training requirements for electrical workers. [ref. a, ch. B7]

(Signature and Date)

.4 State the procedures for removing a shock victim from an energized circuit. [ref. a, ch. C9; ref. c, chs. 4, 10]

(Signature and Date)

.5 What are some of the specialized items of PPE available for electrical protection? [ref. a, ch. B12; ref. b, ch. 20]

(Signature and Date)

116 LOCK OUT/TAG OUT PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

116.1 What is the purpose of the Lock Out/Tag Out Program? [ref. a, ch. B11; ref. b, ch. 24]

(Signature and Date)

.2 Discuss the difference between lock out and tag out devices. [ref. a, ch. B11; ref. b, ch. 24]

(Signature and Date)

.3 Discuss the training requirements for the Tag Out Program. [ref. a, ch. B11; ref. b, ch. 24]

(Signature and Date)

.4 Explain the following as applied to the Lock Out/Tag Out Program: [ref. b, ch. 24]

- a. General procedures to be followed by the authorizing employee
- b. Tag out device attachment
- c. Types of devices used for lock out

(Signature and Date)

117 RADIATION PROTECTION PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

117.1 Define the following terms: [ref. b, ch. B9, Glossary]

- a. Radiation
- b. Lasers
- c. Non-ionizing radiation
- d. RFR
- e. Ionizing radiation

(Signature and Date)

.2 List common sources of laser radiation. [ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

.3 What are the federal regulations hazards associated with lasers? [ref. b, ch. B9]

(Signature and Date)

.4 What are the classes of lasers and the controls associated with them? [ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

.5 What are the training requirements for personnel using lasers? [ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

117 RADIATION PROTECTION PROGRAM FUNDAMENTALS (CONT'D)

117.6 What are the hazards of RFR? [ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

.7 List the requirements for RFR warning signs. [ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

.8 Discuss the training requirements for personnel working around RFR sources.
[ref. a, ch. 22; ref. b, ch. B9]

(Signature and Date)

.9 What are the radiation training requirements for all hands afloat? [ref. b, ch. B9]

(Signature and Date)

118 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT (PPE) FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

118.1 What is the purpose of PPE? [ref. a, ch. 20; ref. b, ch. B12]

(Signature and Date)

.2 Discuss the guidelines for selection and use of the following types of PPE: [ref. a, ch. 20; ref. b, ch. B12]

- a. Head protection/cranials
- b. Foot protection
- c. Hand protection
- d. Safety clothing
- e. Fall protection equipment
- f. Flotation devices/vests

(Signature and Date)

.3 Discuss the guidelines for the following: [ref. b, ch. B12]

- a. Storage of PPE
- b. Maintenance and inspections of PPE

(Signature and Date)

.4 What is the command's responsibility for providing PPE? [ref. a, ch. 20]

(Signature and Date)

**118 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT (PPE)
FUNDAMENTALS (CONT'D)**

118.5 Discuss the training requirements associated with PPE. [ref. a, ch. 20; ref. b, ch. B12]

(Signature and Date)

119 NAVY TRAFFIC SAFETY PROGRAM FUNDAMENTALS

References:

[a] OPNAVINST 5100.12F, Issuance of Navy Traffic Safety Program

119.1 What is the scope and effect of the Navy Traffic Safety Program?

(Signature and Date)

.2 State the responsibilities of the command for the Navy Traffic Safety Program.

(Signature and Date)

.3 List the requirements of the Navy Traffic Safety Program.

(Signature and Date)

.4 List the training requirements for the Navy Traffic Safety Program.

(Signature and Date)

.5 What are the guidelines for seat belt and child restraint use?

(Signature and Date)

.6 What are the guidelines for operation of a Navy motor vehicle with respect to on-duty time?

(Signature and Date)

.7 What are the guidelines for governing use of portable headphones, earphones, or other listening devices on a naval station?

(Signature and Date)

119 NAVY TRAFFIC SAFETY PROGRAM FUNDAMENTALS (CONT'D)

119.8 What are the requirements for operating a motorcycle or all-terrain vehicle?

(Signature and Date)

**120 NAVY RECREATION, ATHLETICS, AND HOME SAFETY PROGRAM
FUNDAMENTALS**

References:

[a] OPNAVINST 5100.25A, Navy Recreation, Athletics, and Home Safety Program

120.1 What is the purpose of the Navy Recreation, Athletics, and Home Safety Program?

(Signature and Date)

.2 State the responsibilities of the following personnel in the Navy Recreation, Athletics, and Home Safety Program:

- a. Commanding Officer
- b. Recreation, Athletics, and Home Safety Program Manager

(Signature and Date)

.3 What are the requirements of the Navy Recreation, Athletics, and Home Safety Program?

(Signature and Date)

.4 What are the requirements for use of PPE while on base and off duty?

(Signature and Date)

.5 Discuss the training requirements for the Recreation, Athletics, and Home Safety Program.

(Signature and Date)

121 AIRCRAFT ORDNANCE SAFETY FUNDAMENTALS

References:

- [a] NAVAIR 00-80T-103, NATOPS Conventional Weapons Handling Procedures Manual Ashore
 - [b] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
-

121.1 Define the following: [ref. a, Glossary]

- a. Bingo
- b. HERO safe ordnance
- c. Aviation ordnance evolution
- d. HERO unsafe ordnance
- e. Operational necessity/requirements

(Signature and Date)

.2 State the responsibilities of the following: [ref. a, ch. 1]

- a. Commanding Officer
- b. Safety Officer
- c. Station Weapons Officer

(Signature and Date)

.3 What are the hazards associated with HERO/RADHAZ/EMCON? [ref. a, ch. 2]

(Signature and Date)

.4 Discuss the criteria for qualification or certification for military and civilian personnel in handling explosives. [ref. a, ch. 2]

(Signature and Date)

.5 Discuss the criteria for qualification as an explosive driver. [ref. a, ch. 2]

(Signature and Date)

121 AIRCRAFT ORDNANCE SAFETY FUNDAMENTALS (CONT'D)

121.6 State the precautions for weapons movement and handling during assembly and disassembly. [ref. a, ch. 3]

(Signature and Date)

.7 List the ordnance items authorized for carriage on hot seat events. [ref. a, ch. 4]

(Signature and Date)

.8 State the precautions for weapons loading/downloading. [ref. a, ch. 5]

(Signature and Date)

.9 State the precautions for aircraft arming and dearming. [ref. a, ch. 5]

(Signature and Date)

.10 Discuss the conditions for aircraft grounding. [ref. a, ch. 5; ref. b, ch. C12]

(Signature and Date)

122 FLIGHT LINE/FLIGHT DECK SAFETY FUNDAMENTALS

References:

[a] NAVAIR 00-80T-105, CV NATOPS Manual

122.1 What are the training requirements for pre-deployment? [ch. 1]

(Signature and Date)

.2 Describe what safety gear personnel shall wear while at flight quarter station.
[ch. 2]

(Signature and Date)

.3 Discuss the control needed for towing aircraft. [ch. 6]

(Signature and Date)

123 ENVIRONMENTAL AND NATURAL RESOURCES PROGRAM FUNDAMENTALS

References:

[a] OPNAVINST 5090.1B, Environmental and Natural Resources Program Manual

123.1 To whom does the Environmental and Natural Resources Program apply? [ch. 1]

(Signature and Date)

.2 What is the Navy's policy concerning environmental protection? [ch. 1]

(Signature and Date)

.3 Where can the duties and responsibilities of Commanding Officers of vessels and shore activities regarding environmental protection be found? [chs. 1, 2, 19]

(Signature and Date)

.4 Where can information concerning processing of NOV or NON be found? [ch. B]

(Signature and Date)

.5 What are the restrictions concerning plastic disposal at sea? [ch. 19]

(Signature and Date)

124 ASBESTOS CONTROL PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

124.1 Where is asbestos commonly found afloat/ashore? [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.2 When is asbestos considered a health hazard? [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.3 Identify the health risks associated with asbestos exposure. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.4 What are the responsibilities of the following personnel in the Asbestos Control Program: [ref. a, ch. B1; ref. b, ch. 17]

- a. Commanding Officer
- b. Safety Officer Afloat
- c. Engineering Officer or Repair Officer
- d. MDR
- e. Department Heads and Division Officers
- f. Asbestos Program Manager (ashore only)
- g. All hands

(Signature and Date)

.5 List the elements of the Asbestos Control Program. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

124 ASBESTOS CONTROL PROGRAM FUNDAMENTALS (CONT'D)

124.6 State the procedures for having asbestos identified. [ref. a, ch. B1]

(Signature and Date)

.7 What are the basic principles for minimizing asbestos exposure? [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.8 Discuss practices for control of asbestos materials in the workplace. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.9 List the procedure for asbestos waste disposal. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.10 Discuss the elements of the AMSP. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

.11 Discuss the training requirements for personnel in the Asbestos Control Program. [ref. a, ch. B1; ref. b, ch. 17]

(Signature and Date)

125 LEAD CONTROL PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

125.1 What is the purpose of the Lead Control Program? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.2 Where is lead commonly found afloat/ashore? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.3 During what evolutions can lead exposures occur? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.4 What are the specific health hazards associated with lead exposure? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.5 State the responsibilities of the following personnel in the Lead Control Program: [ref. a, ch. B10; ref. b, ch. 21]

- a. Commanding Officer
- b. Safety Officer
- c. Department Heads and Division Officers
- d. Medical Officer or Senior MDRs
- e. All hands

(Signature and Date)

125 LEAD CONTROL PROGRAM FUNDAMENTALS (CONT'D)

125.6 Discuss the elements of the Lead Control Program. [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.7 What are the guidelines which apply to lead survey? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.8 List general workplace control practices for lead. [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.9 How can ventilation be used to limit exposure to lead? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.10 What are the requirements for PPE when working in a lead contaminated environment? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.11 What are the guidelines for warning signs and caution labels in a lead environment? [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.12 Discuss housekeeping precautions necessary in a lead environment. [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.13 Discuss the personal hygiene precautions necessary in a lead environment. [ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

125 LEAD CONTROL PROGRAM FUNDAMENTALS (CONT'D)

125.14 What are the precautions for environmental protection and lead waste disposal?
[ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.15 What are the requirements for medical surveillance in the Lead Control Program?
[ref. a, ch. B10; ref. b, ch. 21]

(Signature and Date)

.16 Discuss the training requirements for the Lead Control Program. [ref. a, ch. B10;
ref. b, ch. 21]

(Signature and Date)

126 **CONFINED SPACE/GAS FREE PROGRAM FUNDAMENTALS**

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
 - [c] NSTM S9086-CH-STM-030/CH-74 V3, Gas Free Engineering
-

- 126.1 State the purpose of the Confined Space/Gas Free Program. [ref. a, ch. B8; ref. b, ch. 27; ref. c, ch. 18]

(Signature and Date)

- .2 State the responsibilities for the following personnel in the Confined Space/Gas Free Program: [ref. a, ch. B8; ref. b, ch. 27]
- a. Commanding Officer
 - b. Safety Officer
 - c. Confined Space Program Manager/GFE
 - d. Department Heads and Division Officers/Supervisors
 - e. Entry Supervisor
 - f. Attendants
 - g. Entrants
 - h. All hands

(Signature and Date)

- .3 Discuss the elements of the Confined Space/Gas Free Program. [ref. a, ch. B8; ref. b, ch. 27]

(Signature and Date)

- .4 Discuss the training requirements for the Confined Space/Gas Free Program. [ref. a, ch. B8; ref. b, ch. 27]

(Signature and Date)

126 CONFINED SPACE/GAS FREE PROGRAM FUNDAMENTALS (CONT'D)

126.5 Name some of the spaces afloat/ashore that are required to be gas free prior to entering. [ref. a, ch. B8; ref. b, ch. 27]

(Signature and Date)

.6 What are the safety precautions to be followed prior to and when entering a confined or enclosed space? [ref. c, ch. 18]

(Signature and Date)

.7 Discuss the information required on a Confined Space/Gas Free Entry Certificate. [ref. b, ch. 27; ref. c, ch. 20]

(Signature and Date)

127 MAN-MADE VITREOUS FIBERS (MMVF) FUNDAMENTALS

References:

- [a] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
 - [b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

127.1 What are the categories of MMVF? [ref. a, ch. B15; ref. b, ch. 26]

(Signature and Date)

.2 What is the health concern of MMVF? [ref. a, ch. B15]

(Signature and Date)

.3 What are the responsibilities of the following personnel in MMVF: [ref. a, ch. B15]

- a. Commanding Officer
- b. Safety Officer
- c. Medical Officer
- d. Department Heads and Division Officer
- e. All hands

(Signature and Date)

.4 List the elements of the MMVF Program. [ref. a, ch. B15]

(Signature and Date)

.5 What are the basic principles for minimizing MMVF exposure? [ref. a, ch. B15; ref. b, ch. 26]

(Signature and Date)

.6 List the procedures for MMVF disposal. [ref. a, ch. B15; ref. b, ch. 26]

(Signature and Date)

127 MAN-MADE VITREOUS FIBERS (MMVF) FUNDAMENTALS (CONT'D)

127.7 Discuss the training requirements for personnel in the MMVF Program. [ref. a, ch. B15; ref. b, ch. 26]

(Signature and Date)

128 POLYCHLORINATED BIPHENYL (PCB) PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5090.1B, Navy Environmental and Natural Resources Manual
[b] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

128.1 Where are PCBs commonly found afloat/ashore? [ref. a, ch. 11; ref. b, ch. 25]

(Signature and Date)

.2 List the permissible exposure limits and skin designation. [ref. b, ch. 25]

(Signature and Date)

.3 What are the basic principles for minimizing PCB exposure in the workplace? [ref. b, ch. 25]

(Signature and Date)

.4 Define the procedures for PCB cleanup/reporting. [ref. a, ch. 11; ref. b, ch. 25]

(Signature and Date)

.5 Discuss the training requirements for personnel dealing with PCBs. [ref. a, ch. 11]

(Signature and Date)

.6 What is the Navy's policy for PCBs? [ref. a, ch. 11; ref. b, ch. 25]

(Signature and Date)

129 OCCUPATIONAL REPRODUCTIVE HAZARDS PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

129.1 Define reproductive hazards. [ch. 29]

(Signature and Date)

.2 What is the policy of reproductive hazards? [ch. 29]

(Signature and Date)

.3 List general workplace control practices for reproductive hazards. [ch. 29]

(Signature and Date)

.4 What are the requirements for medical surveillance in the Reproductive Hazards Program? [ch. 29]

(Signature and Date)

.5 Discuss the training requirements for the Reproductive Hazards Program. [ch. 29]

(Signature and Date)

.6 Where can a short list of reproductive hazardous chemicals be found? [ch. 29]

(Signature and Date)

130 ERGONOMICS PROGRAM FUNDAMENTALS

References:

- [a] OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
-

130.1 What is ergonomics? [ch. 23]

(Signature and Date)

.2 What is the purpose of the Ergonomics Program? [ch. 23]

(Signature and Date)

.3 Define ergonomics hazards. [ch. 23]

(Signature and Date)

.4 What are the elements of the Ergonomics Program? [ch. 23]

(Signature and Date)

.5 State the responsibilities of the following personnel in the Ergonomics Program:
[ch. 23]

- a. Chief, Bureau of Medical and Surgery
- b. Commanding Officer

(Signature and Date)

.6 What are the training requirements of ergonomics? [ch. 23]

(Signature and Date)

.7 What should a work site analysis identify? [ch. 23]

(Signature and Date)

300 INTRODUCTION TO WATCHSTATIONS

300.1 INTRODUCTION

The Watchstation section of your PQS is where you get a chance to demonstrate to your Qualifier that you can put the knowledge you have gained in the previous sections to use. It allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Before starting your assigned tasks, you must complete the prerequisites that pertain to the performance of that particular task. Satisfactory completion of all prerequisites is required prior to achievement of final watchstation qualification.

300.2 FORMAT

Each watchstation in this section contains:

- A FINAL QUALIFICATION PAGE, which is used to obtain the required signatures for approval and recording of Final Qualification.
- PREREQUISITES, which are items that must be certified completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS books, and fundamentals, systems, or watchstation qualifications from this book. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. Record the date of actual completion, not the sign-off date.
- WATCHSTATION Performance, which is the practical factors portion of your qualification. The performance is broken down as follows:

- Tasks (routine operating tasks that are performed frequently)
- Infrequent Tasks
- Abnormal Conditions
- Emergencies
- Training Watches

If there are multiple watchstations, a QUALIFICATION PROGRESS SUMMARY will appear at the end of the Standard.

300 INTRODUCTION TO WATCHSTATIONS (CONT'D)

300.3 OPERATING PROCEDURES

The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or control or correct a casualty. The only proper sources of this information are the technical manuals, Engineering Operational Sequencing System (EOSS), Naval Air Training and Operating Procedures Standardization (NATOPS) or other policy-making documents prepared for a specific installation or a piece of equipment. Additionally, the level of accuracy required of a trainee may vary from school to school, ship to ship, and squadron to squadron based upon such factors as mission requirements. Thus, proficiency may be confirmed only through demonstrated performance at a level of competency sufficient to satisfy the Commanding Officer.

300.4 DISCUSSION ITEMS

Though actual performance of evolutions is always preferable to observation or discussion, some items listed in each watchstation may be too hazardous or time consuming to perform or simulate. Therefore, you may be required to discuss such items with your Qualifier.

300.5 NUMBERING

Each Final Qualification is assigned both a watchstation number and a NAVEDTRA Final Qualification number. The NAVEDTRA number is to be used for recording qualifications in service and training records.

300.6 HOW TO COMPLETE

After completing the required prerequisites applicable to a particular task, you may perform the task under the supervision of a qualified watchstander. If you satisfactorily perform the task and can explain each step, your Qualifier will sign you off for that task. After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

FINAL QUALIFICATION

NAVEDTRA 43218-B

301 AVIATION SAFETY PETTY OFFICER

NAME _____ RATE/RANK _____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

A copy of this completed page shall be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified AVIATION SAFETY PETTY OFFICER (NAVEDTRA 43218-B).

RECOMMENDED _____ DATE _____
Supervisor

RECOMMENDED _____ DATE _____
Division Officer

RECOMMENDED _____ DATE _____
Department Head

QUALIFIED _____ DATE _____
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY _____ DATE _____

301 AVIATION SAFETY PETTY OFFICER

Estimated completion time: 12 weeks

301.1 PREREQUISITES

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

301.1.1 FUNDAMENTALS FROM THIS PQS:

101 General Aviation Safety and Navy Occupational Safety and Health (NAVOSH) Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

102 Aviation Safety Standards

Completed _____ 2% of Watchstation
(Qualifier and Date)

105 Aviation Safety Council and Committee

Completed _____ 2% of Watchstation
(Qualifier and Date)

106 Aviation Hazard Reporting

Completed _____ 2% of Watchstation
(Qualifier and Date)

111 Hazardous Material Control and Management (HMC&M) Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

112 Hearing Conservation Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

- 301.1.1 113 Sight Conservation Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 114 Respiratory Protection Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 115 Electrical Safety Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 116 Lock Out/Tag Out Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 117 Radiation Protection Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 118 Personal Protective Clothing and Equipment (PPE)
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 122 Flight Line/Flight Deck Safety
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 123 Environmental and Natural Resources Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 130 Ergonomics Program
Completed _____ 2% of Watchstation
(Qualifier and Date)

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

301.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. What safety precautions must be observed?
- F. Satisfactorily perform this task.

301.2.1 Act as an Enlisted Aviation Safety Committee member (2 times)

Questions

A B D F

(Signature and Date)

(Signature and Date)

.2 Act as a contact point for command safety questions and input/
feedback (2 times)

A B D F

(Signature and Date)

(Signature and Date)

.3 Disseminate pertinent information from Safety Committee meetings
to the work center (2 times)

A B D F

(Signature and Date)

(Signature and Date)

.4 Act as an advisor to the Work Center Supervisor on safety
matters (2 times)

A B D F

(Signature and Date)

(Signature and Date)

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

	<u>Questions</u>
301.2.5 Maintain a turnover file	A B C F

(Signature and Date)	
.6 Post and change safety posters on a regular basis	A B C F

(Signature and Date)	
.7 Conduct work center mishap prevention training (2 times)	A B C D F

(Signature and Date)	

(Signature and Date)	
.8 Ensure applicable safety materials are posted on the required reading board including work center specific safety precautions	A B C F

(Signature and Date)	
.9 Conduct periodic safety inspections of assigned spaces using applicable checklists (2 times)	A B C D E F

(Signature and Date)	

(Signature and Date)	
.10 Identify existing and potential hazards and controls (i.e., electrical, machine guarding, etc.) (3 times)	A B C D E F

(Signature and Date)	

(Signature and Date)	

(Signature and Date)	

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

Questions

301.2.11 Ensure proper storage, use, and disposal of HM (2 times)

A B C E F

(Signature and Date)

(Signature and Date)

.12 Inspect to ensure all hazard areas are properly marked, identified, and color coded (2 times)

A B C D F

(Signature and Date)

(Signature and Date)

.13 Inspect to ensure proper selection, care, and use of PPE and eye wash stations (2 times)

A B C E F

(Signature and Date)

(Signature and Date)

.14 Develop and recommend corrective action for safety discrepancies

A B C D F

(Signature and Date)

.15 Follow-up on implementation of corrective action for safety discrepancies

A B C D F

(Signature and Date)

.16 Provide inputs for safety stand downs

A B D F

(Signature and Date)

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

Questions

301.2.17 Spot-check PM/calibration/load testing

A B D F

(Signature and Date)

.18 Investigate/submit in-house hazard reports, as applicable

A B C D F

(Signature and Date)

.19 Monitor the surveillance programs applicable to your work center (i.e., audiograms/paint physicals, etc.)

A B C F

(Signature and Date)

.20 Indoctrinate newly reported personnel regarding specific work center hazards

A B C E F

(Signature and Date)

.21 Spot-check that MSDSs are being maintained properly for the work center

A B C E F

(Signature and Date)

COMPLETED .2 AREA COMPRISES 50% OF WATCHSTATION.

301.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. Satisfactorily perform or simulate this infrequent task.

Questions

301.3.1 Prepare for formal safety survey/inspections

A B C D E

(Signature and Date)

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

301.3.2 Assist in periodic evaluations of the NAVOSH Program

Questions
A B C D E

(Signature and Date)

COMPLETED .3 AREA COMPRISES 10% OF WATCHSTATION.

301.4 ABNORMAL CONDITIONS– None to be discussed.

301.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What other emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this emergency affect other operations/equipment/watchstations?
- G. Simulate written reporting procedures.
- H. Satisfactorily perform or simulate the immediate action for this emergency.

301.5.1 Major HW spill

Questions
A B C D E F G H

(Signature and Date)

.2 Minor HM spill

A B C D E F G H

(Signature and Date)

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

301 AVIATION SAFETY PETTY OFFICER (CONT'D)

301.6 WATCHES – None.

301.7 EXAMINATIONS (OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

301.7.1 EXAMINATIONS Pass a written examination

(Signature and Date)

.2 EXAMINATIONS Pass an oral examination board

(Signature and Date)

FINAL QUALIFICATION

NAVEDTRA 43218-B

302 AVIATION SAFETY SPECIALIST

NAME _____ RATE/RANK _____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

A copy of this completed page shall be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified AVIATION SAFETY SPECIALIST (NAVEDTRA 43218-B).

RECOMMENDED _____ DATE _____
Supervisor

RECOMMENDED _____ DATE _____
Division Officer

RECOMMENDED _____ DATE _____
Department Head

QUALIFIED _____ DATE _____
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY _____ DATE _____

302 AVIATION SAFETY SPECIALIST

Estimated completion time: 26 weeks

302.1 PREREQUISITES

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

302.1.1 SCHOOLS:

Aviation Safety Specialist (A-493-0065) (RECOMMENDED)

Completed _____
(Qualifier and Date)

.2 PQS QUALIFICATIONS:

Enlisted Aviation Warfare Specialist (EAWS), Common Core (NAVEDTRA 43902) (RECOMMENDED)

Completed _____
(Qualifier and Date)

.3 WATCHSTATIONS FROM THIS PQS:

301 Aviation Safety Petty Officer

Completed _____
(Qualifier and Date)

.4 FUNDAMENTALS FROM THIS PQS:

103 Risk Assessment

Completed _____ 2% of Watchstation
(Qualifier and Date)

104 Navy Occupational Safety and Health (NAVOSH) Evaluation

Completed _____ 2% of Watchstation
(Qualifier and Date)

302 AVIATION SAFETY SPECIALIST (CONT'D)

- 302.1.4 107 General Mishap Investigating and Reporting
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 108 Aviation Mishap Reporting
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 109 Afloat Mishap Reporting
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 110 Non-Deployed Mishap Reporting
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 119 Navy Traffic Safety Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 120 Navy Recreation, Athletics, and Home Safety Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 121 Aircraft Ordnance Safety
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 124 Asbestos Control Program
Completed _____ 2% of Watchstation
(Qualifier and Date)
- 125 Lead Control Program
Completed _____ 2% of Watchstation
(Qualifier and Date)

302 AVIATION SAFETY SPECIALIST (CONT'D)

302.1.4 126 Confined Space/Gas Free Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

127 Man-Made Vitreous Fibers (MMVF)

Completed _____ 2% of Watchstation
(Qualifier and Date)

128 Polychlorinated Biphenyl (PCB) Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

129 Occupational Reproductive Hazards Program

Completed _____ 2% of Watchstation
(Qualifier and Date)

302.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. What safety precautions must be observed?
- F. Satisfactorily perform this task.

302.2.1 Act as a chairman for the Enlisted Safety Committee meetings (2 times)

Questions

A B C D F

(Signature and Date)

(Signature and Date)

302 AVIATION SAFETY SPECIALIST (CONT'D)

		<u>Questions</u>
302.2.2	Disseminate pertinent information to the Safety Committee (2 times)	A B C D F

	(Signature and Date)	

	(Signature and Date)	
.3	Coordinate appropriate environmental safety training	A B C D F

	(Signature and Date)	
.4	Maintain a reference file on aviation/general safety and related publications	A B C F

	(Signature and Date)	
.5	Indoctrinate newly reported personnel regarding local safety hazards (2 times)	A B C D E F

	(Signature and Date)	

	(Signature and Date)	
.6	Coordinate driver safety/motorcycle safety training (2 times)	A B C D F

	(Signature and Date)	

	(Signature and Date)	
.7	Coordinate activity mishap training	A B C D F

	(Signature and Date)	

302 AVIATION SAFETY SPECIALIST (CONT'D)

	<u>Questions</u>
302.2.8 Submit a completed safety HR via the chain of command (2 times)	A B C D F

(Signature and Date)	

(Signature and Date)	
.9 Coordinate CPR, first aid, hearing and sight conservation, etc., training	A B C D F

(Signature and Date)	
.10 Coordinate recreation/home safety training	A B C D F

(Signature and Date)	
.11 Assist the Safety Officer in managing the Hazard Abatement Program	A B C D F

(Signature and Date)	
.12 Assist the Safety Officer in monitoring the Hazardous Material Control Program	A B C D F

(Signature and Date)	
.13 Ensure the HM Coordinator is maintaining current master MSDS files	A B C F

(Signature and Date)	

302 AVIATION SAFETY SPECIALIST (CONT'D)

		<u>Questions</u>
302.2.14	Investigate and maintain records of all injuries and mishaps	A B C D F
	_____ (Signature and Date)	
.15	Assist in establishing written goals and objectives for the activity NAVOSH and evaluate the program performance	A B D F
	_____ (Signature and Date)	
.16	Observe safety aspects of line/maintenance operations and make recommendations, as required	A B D E F
	_____ (Signature and Date)	
.17	Coordinate required baseline and follow-up on medical surveillance programs (i.e., hearing, sight, paint physical, etc.)	A B C D F
	_____ (Signature and Date)	
.18	Monitor PPE, condition, and utilization	A B D F
	_____ (Signature and Date)	
.19	Maintain an in-house Safety Hazard Reporting Program	A B C D F
	_____ (Signature and Date)	
.20	Follow-up results of safety inspections	A B C D F
	_____ (Signature and Date)	
.21	Maintain pass-down log/turnover file	A B F
	_____ (Signature and Date)	

302 AVIATION SAFETY SPECIALIST (CONT'D)

Questions

302.2.22 Assist in an investigation as directed by the Safety Officer

A B C D F

(Signature and Date)

.23 Conduct a safety inspection

A B C D F

(Signature and Date)

.24 Maintain a command safety board

A B D F

(Signature and Date)

.25 Plan and conduct a safety stand down

A B C D F

(Signature and Date)

.26 Plan and assist in an industrial hygiene survey

A B C D E F

(Signature and Date)

.27 Initiate and/or review local instructions

A B C D F

(Signature and Date)

COMPLETED .2 AREA COMPRISES 50% OF WATCHSTATION.

302.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. Satisfactorily perform or simulate this infrequent task.

Questions

302.3.1 Assist in planning a safety survey/inspection by an outside activity

A B C D E

(Signature and Date)

302 AVIATION SAFETY SPECIALIST (CONT'D)

Questions
A B C D E

302.3.2 Assist in preparing a PID, MPD, MR, or MV report

(Signature and Date)

COMPLETED .3 AREA COMPRISES 10% OF WATCHSTATION.

302.4 ABNORMAL CONDITIONS– None to be discussed.

302.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What other emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this emergency affect other operations/equipment/watchstations?
- G. Simulate written reporting procedures.
- H. Satisfactorily perform or simulate the immediate action for this emergency.

Questions
A B C D E F G H

302.5.1 HM spill

(Signature and Date)

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

302.6 WATCHES – None.

302.7 EXAMINATIONS (OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

302.7.1 EXAMINATIONS Pass a written examination

(Signature and Date)

.2 EXAMINATIONS Pass an oral examination board

(Signature and Date)

**QUALIFICATION PROGRESS SUMMARY FOR
AVIATION SAFETY PETTY OFFICER**

NAME _____ RATE/RANK _____

This qualification progress summary is used to track the progress of a trainee in the watchstations for this PQS and ensure awareness of remaining tasks. It should be kept by the individual or in the individual's training jacket and updated with an appropriate signature (Training Petty Officer, Division Officer, Senior Watch Officer, etc.) as watchstations are completed.

301 AVIATION SAFETY PETTY OFFICER

Completed _____ Date _____
(Signature)

302 AVIATION SAFETY SPECIALIST

Completed _____ Date _____
(Signature)

LIST OF REFERENCES USED IN THIS PQS

NAVAIR 00-80T-103, NATOPS Conventional Weapons Handling Procedures Manual Ashore
NAVAIR 00-80T-105, CV NATOPS Manual
NAVEDTRA 12081, Standard First Aid Training Course
NSTM S9086-CH-STM-030/CH-74 V3, Gas Free Engineering
OPNAVINST 3500.39, Operational Risk Management
OPNAVINST 3750.6Q, Naval Aviation Safety Program
OPNAVINST 5090.1B, Navy Environmental and Natural Resources Manual
OPNAVINST 5100.12F, Issuance of Navy Traffic Safety Program
OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for
Forces Afloat
OPNAVINST 5100.23E, Navy Occupational Safety and Health (NAVOSH) Program Manual
OPNAVINST 5100.25A, Navy Recreation, Athletics, and Home Safety Program
OPNAVINST 5102.1C, Mishap Investigation and Reporting

Personal Qualification Standard
Feedback Form

From _____ Date _____

Via _____ Date _____
Department Head

Activity _____

Mailing Address _____

Email Address _____ DSN _____

PQS Title _____ NAVEDTRA _____

Section Affected _____

Page Number(s) _____

For faster response, you may email your feedback to the PQS Development Group at: *n34.pqs@smtp.cnet.navy.mil*. Please include the above information so that we may better serve you.

Remarks/Recommendations (Use additional sheets if necessary):

(FOLD HERE)

DEPARTMENT OF THE NAVY

OFFICIAL BUSINESS

COMMANDING OFFICER
NETPDTC N34
6490 SAUFLEY FIELD ROAD
PENSACOLA FL 32509-5237

(FOLD HERE)